

In the Claims

1. (currently amended) An interference screw and a tool for turning the screw for medical purposes comprising:

an interference screw having a screw body made of a biodegradable material and configured for anchoring a transplant in an opening in a bone having,
a head portion having a facial end face,
a shaft portion extending from said head portion from an end opposite to said facial end face along an axial direction of said screw body,
a threading provided on an outer side of said shaft portion, and
~~up to five~~ at least one axially extending grooves cut into an outer side of said screw body, said ~~up to five~~ at least one grooves extending along said head portion and an entire length of said shaft portion, and at least one recess is provided in said facial end face of said head portion;

a tool having ~~up to five~~ at least one drive elements for inserting into said ~~up to five~~ at least one grooves, and having a projection corresponding to said recess in said facial end face of said head portion of said screw, said projection ~~can be~~ introduced into said recess for centering said tool on said screw;

wherein said at least one drive element has a length that substantially corresponds to a length of said at least one axially extending groove.

2. (currently amended) The screw of claim 1, wherein a depth of said ~~up to five~~ at least one axially extending grooves ~~are~~ is such that said at least one drive element of said driving tool lies within said ~~up to five~~ at least one axially extending grooves and does not extend beyond an outer periphery of said screw body.

3. (currently amended) The screw of claim 1, wherein a depth of said ~~up to five~~ at least one axially extending grooves is such that said at least one drive element of said

driving tool is housed within said at least one axially extending grooves without extending radially beyond said threading of said shaft portion.

4. (cancelled)

5. (previously presented) The screw of claim 1, wherein said recess is configured as a channel completely passing through said screw body.

6. (currently amended) The screw of claim 1, wherein ~~several~~ said at least one axially extending grooves ~~are provided to be~~ comprises at least three axially extending grooves that are distributed uniformly about a circumference of said screw body.

7. (cancelled)

8. (currently amended) The screw of claim 1, wherein said ~~up to five~~ at least one axially extending grooves ~~are~~ is open axially at said facial end face end of said head portion.

9. (currently amended) The screw of claim 8, wherein a bridge is provided for bridging said ~~up to five~~ at least one axially extending grooves in a circumferential direction.

10. (currently amended) The screw of claim 9, wherein said bridge is provided in ~~said head portion of~~ said screw body.

11. (currently amended) The screw of claim 1, wherein a bridge is provided for bridging said ~~up to five~~ at least one axially extending grooves in an circumferential direction of said screw body, said bridge is formed by said outer threading of said shaft portion.

12. (cancelled)

13. (cancelled)

14. (previously presented) The screw of claim 1, wherein said transplant is selected from the group consisting of: a tendon, a ligament, and combinations thereof.

15. (cancelled)

16. (cancelled)

17. (cancelled)

18. (cancelled)

19. (cancelled)

20. (currently amended) An interference screw for anchoring a transplant in an opening in a bone with a tool having at least one axially extending drive element for inserting the screw comprising:

an interference screw made of a biodegradable material having,

a head having an end face;

a shaft extending from said head from an end opposite to said end face along an axial direction perpendicular to said head portion, said shaft tapering from said head portion to the end opposite to said end face;

a threading provided on an outer surface of said shaft; and

at least one axially extending groove cut into and extending along an outer side of said head and an entire length of said shaft, said at least one groove being

provided for inserting of the at least one axially extending drive element of the driving tool therein;

wherein said at least one drive element have a length that substantially corresponds to a length of said at least one axially extending groove.

21. (previously presented) The interference screw of claim 20 wherein said at least one axially extending groove comprises at least three axially extending grooves.

22. (previously presented) The interference screw of claim 21 wherein said head further has at least one recess centered in the end face for receiving a projection on the drive element of the driving tool to center the drive element about the end face.

23. (currently amended) The screw of claim 1, wherein a bridge is provided for bridging said ~~up to five~~ at least one axially extending grooves in a circumferential direction of said screw body, said bridge provided in ~~a distal end region of~~ said screw body.

24. (new) An interference screw for anchoring a transplant in an opening in a bone with a tool having at least one axially extending drive element for inserting the screw comprising:

- an interference screw made of a biodegradable material having,
 - a head having an end face;
 - a shaft extending from said head from an end opposite to said end face along an axial direction perpendicular to said head portion, said shaft tapering from said head portion to the end opposite to said end face;
 - a threading provided on an outer surface of said shaft; and
 - at least one axially extending groove cut into and extending along an outer side of said head and an entire length of said shaft, said at least one groove being

provided for insertion of the at least one axially extending drive element of the driving tool therein

wherein the transplant is selected from the group consisting of: a tendon, a ligament, and combinations thereof.